

10/532078

PCT/PTO 21 APR 2005

## PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

PCT

To:  
OKABE, MasaoNo. 602, Fuji Bldg., 2-3,  
Marunouchi 3-chome,  
Chiyoda-ku, Tokyo  
1000005  
JapanWRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing  
(day/month/year)

11.1.2005

Applicant's or agent's file reference

10003410WO01

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/JP2004/015295

International filing date (day/month/year)

08.10.2004

Priority date (day/month/year)

09.10.2003

International Patent Classification (IPC) or both national classification and IPC

Int.Cl.<sup>7</sup> H01L 29/786, H01L 21/336, H01L 51/00, C08F 220/14

Applicant

CANON KABUSHIKI KAISHA

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☒ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

## 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/JP

Japan Patent Office

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WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2004/015295

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).

2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

- ☐ a sequence listing  
☐ table(s) related to the sequence listing

b. format of material

- ☐ in written format  
☐ in computer readable form

c. time of filing/furnishing

- ☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2004/015295

Box No. II      Priority

1. ☐ The following document has not yet been furnished:

☐ copy of the earlier application whose priority has been claimed (Rules 43bis.1 and 66.7(a)).

☐ translation of the earlier application whose priority has been claimed (Rules 43bis.1 and 66.7(b)).

Consequently it has not been possible to consider the validity of the priority claim. This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.

2. ☐ This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43bis.1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.

3. Additional observations, if necessary:

P1:Application number JP 2003-351159 (Date of Filing:2003.10.09)

P2:Application number JP 2004-264499 (Date of Filing:2004.09.10)

The subject matter of claims 5-18,23-26 is supported by P2, but it is not supported by P1.

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2004/ 015295

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	<u>1-4, 8-15, 19-27</u>	YES
	Claims	<u>5-7, 16-18</u>	NO
Inventive step (IS)	Claims	<u>1-4, 8-10, 12-14, 19-27</u>	YES
	Claims	<u>5-7, 11, 15-18</u>	NO
Industrial applicability (IA)	Claims	<u>1-27</u>	YES
	Claims		NO

2. Citations and explanations

D1:JP 2004-165427 A(KONIKA MINOLTA HOLDINGS, INC.)

2004.06.10,whole document, Figs.1-3

D2:EP 1385220 A2(PIONEER CORPORATION)

2004.01.28,whole document, Figs.1-8

[Claims 1-4,8-10,12-14,19-27]

The subject matter of claims 1-4,8-10,12-14,19-27 is neither disclosed in any of the documents cited in the ISR nor obvious to a person skilled in the art.

[Claims 5-7,16-18]

The subject matter of claims 5-7,16-18 does not appear to be novel with respect to the document D1.

The subject matter of claims 5-7,16-18 is disclosed in the document D1.

[Claims 11,15]

The subject matter of claims 11,15 does not appear to involve an inventive step in view of the document D1 cited in the ISR and the document D2 cited in the same.

The document D2 discloses that a gate electrode, a gate insulating film, one of source/drain electrodes, an organic semiconductor and the other of the source/drain electrodes are provided on the substrate in this order.